

FIG. 1**NUCLEOTIDE AND AA SEQUENCE**

Nucleic acid sequence of Protease T (SEQ.ID.NO.:1)

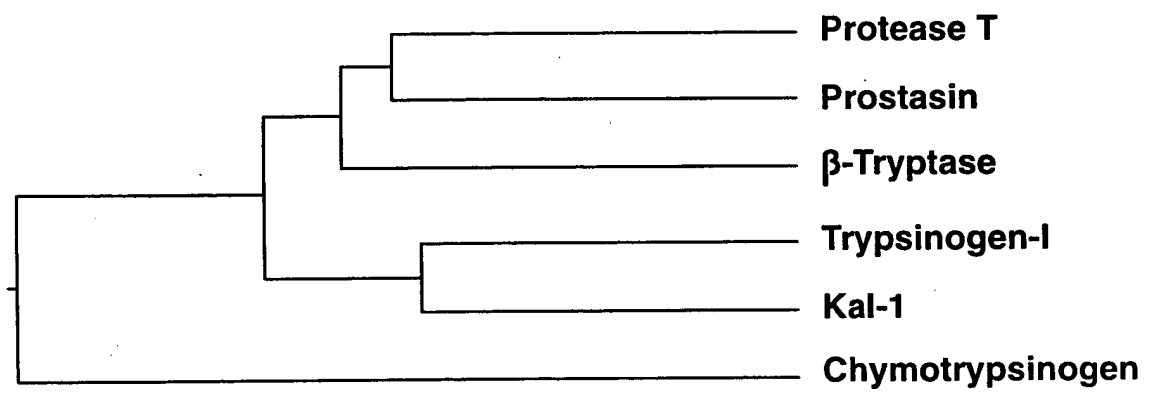
GACCACGGCCCTGCGCCCCAGCCAGGCCTGAGGACATGAGGCGGCCGGCGGGTGCCTGC
 TCCTGCTGCTGCTGTGTGTTTGGGTCTCAGAGGGCCAAGGCAGCAACAGCCTGTGGTTCGCC
 CCAGGATGCTGAACCGAATGGTGGGCGGGCAGGACACGCAGGAGGGCGAGTGGCCCTGGC
 AAGTCAGCATCCAGCGCAACGGAAGCCACTTCTGCGGGGGCAGCCTCATCGCGGAGCAGT
 GGGTCCTGACGGCTGCGCACTGCTTCCGCAACACCTCTGAGACGTCCCTGTACCAGGTCC
 TGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGACCACACGCTATGTATGCCCGGGTGCAGGC
 AGGTGGAGAGCAACCCCTGTACCAGGGCACGGCCTCCAGCGCTGACGTGGCCCTGGTGG
 AGCTGGAGGCACCAAGTGCCTTACCAATTACATCCTCCCCGTGTGCCTGCCTGACCCCT
 CGGTGATCTTTGAGACGGGCATGAACTGCTGGGTCACTGGCTGGGGCAGCCCCAGTGAAG
 AAGACCTCTGCCCCGAACCGCGGATCCTGCAGAACTCGCTGTGCCCATCATCGACACAC
 CCAAGTGCAACCTGCTCTACAGCAAAGACACCGAGTTTGGCTACCAACCCAAAACCATCA
 AGAATGACATGCTGTGCGCCGGCTTCGAGGAGGGCAAGAAGGATGCCTGCAAGGGCGACT
 CGGGCGGCCCCCTGGTGTGCCTCGTGGGTGAGTCGTGGCTGCAGGCGGGGGTGATCAGCT
 GGGGTGAGGGCTGTGCCCCGCCAGAACCGCCAGGTGTCTACATCCGTGTACCGCCACC
 ACAACTGGATCCATCGGATCATCCCCAACTGCAGTTCCAGCCAGCGAGGTGGGGCGCC
 AGAAGTGAGACCCCCGGGGCCAGGAGCCCCTTGAGCAGAGCTCTGCACCCAGCCTGCCCCG
 CCCACACCATCCTGCTGGTCTCTCCAGCGCTGCTGTTGCACCTGTGAGCCCCACAGACT
 CATTTGTAAATAGCGCTCCTTCTCCCTCTCAAATACCCTTATTTATTATGTTTCTC
 CCAATAAAAACCCAGCCTGTGTGCCAGCTG

>Amino Acid Sequence of Protease T (SEQ.ID.NO.:7)

MRRPAAVPLLLLLCFGSQRAKAATACGRPRMLNRMVGGQDTQEGEWPWQVSIQRNGSHFC
 GGSLLAEQWLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAMYARVRQVESNPLYQGTA
 SSADVALVELEAPVPFTNYILPVCLPDPSVIFETGMNCWVTGWGSPSEEDLLPEPRILQK
 LAVPIIDTPKCNLLYSKDTEFGYQPKTIKNDMLCAGFEEGKKDACKGDSGGPLVCLVGQS
 WLQAGVISWGEGCARQNRPGVYIRVTAHHNWIHRIIPKLQFQPARLGGQK

202070-900400T

FIG. 2



20441005-010202

FIG. 3

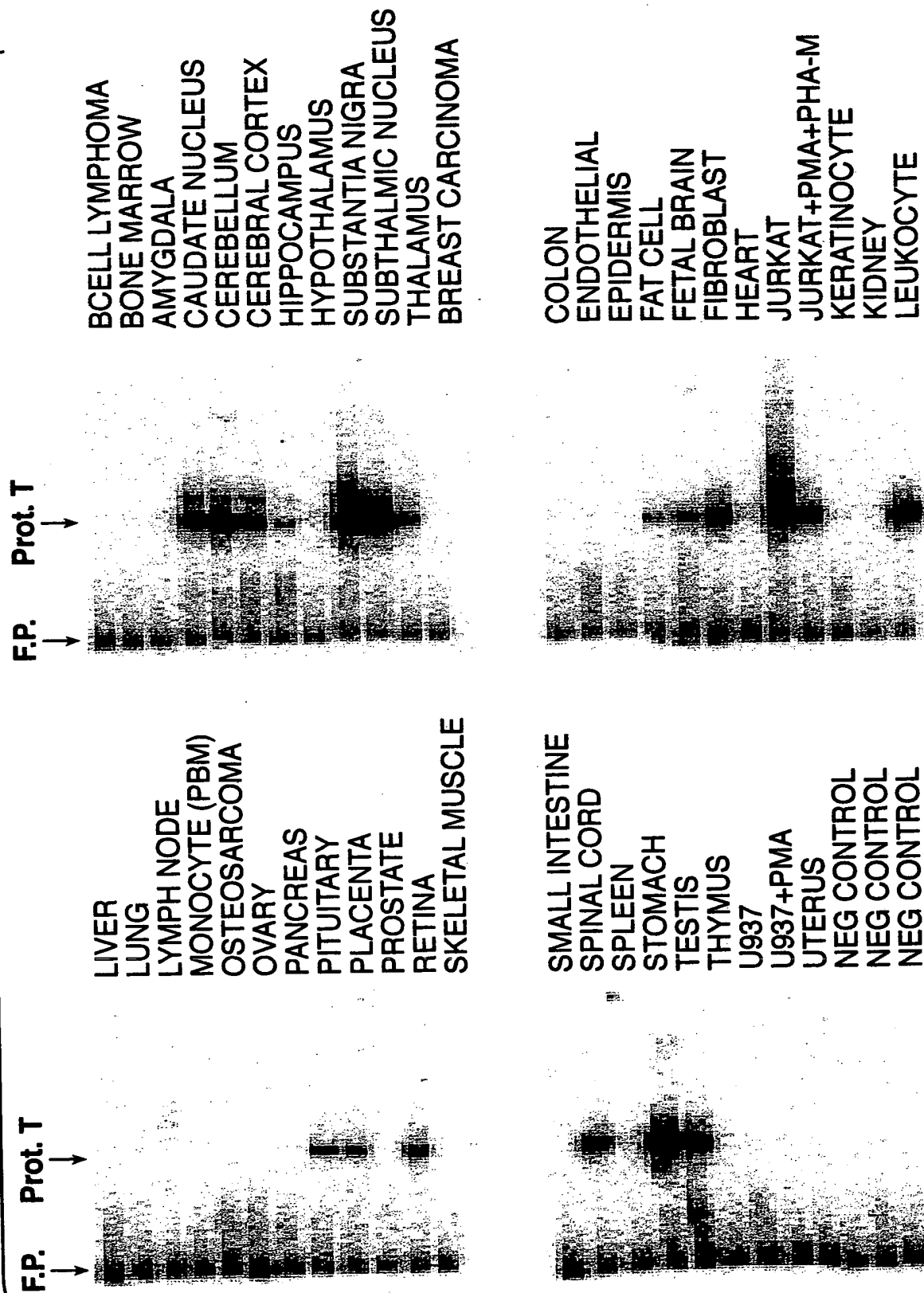


FIG. 4

FUSION PROTEIN

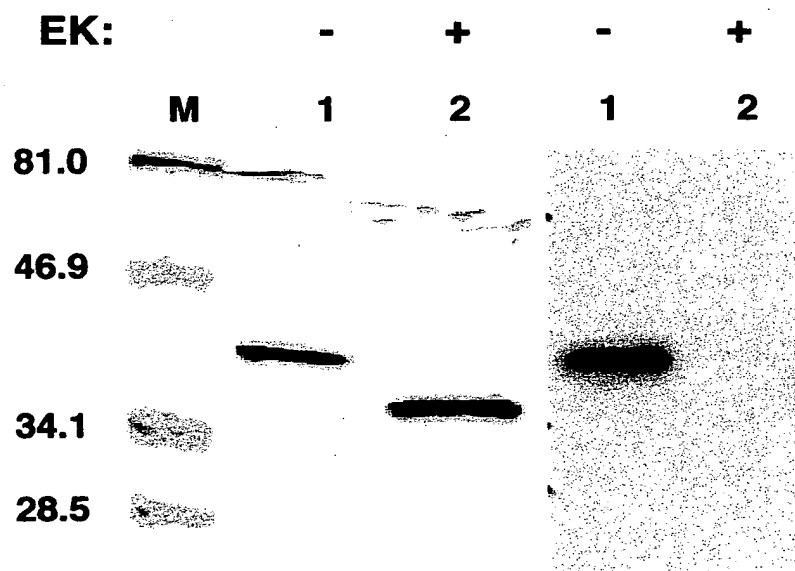
Nucleic Acid sequence of PFEK-PROTT-HIS fusion protein
(SEQ.ID.NO.:8).

GAATTCACCACCATGGACAGCAAAGGTTTCGTCCGAGAAATCCCGCCTGCTCCTGCTGCTG
GTGGTGTCAAATCTACTCTTGTGCCAGGGTGTGGTCTCCGACTACAAGGACGACGACGAC
GTGGACGCGGCCGCTCTTGCTGCCCCCTTTGATGATGATGACAAGATCGTTGGGGGCTAT
GCTCTAGAGGAGGGCGAGTGGCCCTGGCAAGTCAGCATCCAGCGCAACGGAAGCCACTTC
TGCGGGGGCAGCCTCATCGCGGAGCAGTGGGTCTGACGGCTGCGCACTGCTTCCGCAAC
ACCTCTGAGACGTCCCTGTACCAGGTCTGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGA
CCACACGCTATGTATGCCCGGGTGAGGCAGGTGGAGAGCAACCCCTGTACCAGGGGCAGG
GCCTCCAGCGCTGACGTGGCCCTGGTGGAGCTGGAGGCACCAGTGCCCTTCACCAATTAC
ATCCTCCCCGTGTGCCTGCCTGACCCCTCGGTGATCTTTGAGACGGGCATGAACTGCTGG
GTCACCTGGCTGGGGCAGCCCCAGTGAGGAAGACCTCCTGCCCGAACC GCGGATCCTGCAG
AAACTCGCTGTGCCCATCATCGACACACCCAAGTGCAACCTGCTCTACAGCAAAGACACC
GAGTTTGGCTACCAACCCAAAACCATCAAGAATGACATGCTGTGCGCCGGCTTCGAGGAG
GGCAAGAAGGATGCCTGCAAGGGCGACTCGGGCGGGCCCCCTGGTGTGCCTCGTGGGTGAG
TCGTGGCTGCAGGCGGGGGTGATCAGCTGGGGTGAGGGCTGTGCCCCGCCAGAACC GCCA
GGTGTCTACATCCGTGTCACCGCCCAACCACTGGATCCATCGGATCATCCCCAACTG
CAGTTCCAGCCAGCGAGGTTGGGCGGCCAGAAAGTCTAGACATCACCATCACCATCACTAG
CGGCCGCTTCCCTTTAGTGAGGGTTAATGCTTCGAGCAGACATGATAAGATAATTGATG
AGTTTGACAAACCACAACCTAGAATGCAGTGAAAAAATGCTTTATTTGTGAAATTTGTG
ATGCTATTGCTTTATTTGTAACCATTATAAGCTGCAATAAACAAGTTGAC

Amino Acid sequence of PFEK-PROTT-HIS fusion protein
(SEQ.ID.NO.:9).

MDSKGSSQKSRLLLLLLVVSNLLLCQGVVSDYKDDDDVDAAALAAPFDDDDKIVGGYALEE
GEWPWQVSIQRNGSHFCGGSLLAEQWVLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAM
YARVRQVESNPLYQGTASSADVALVELEAPVPFTNYILPVCLPDPSVIFETGMNCWVTGW
GSPSEEDLLPEPRILQKLAVPIIDTPKCNLLYSKDTEFGYQPKTIKNDMLCAGFEEGKKD
ACKGDSGGPLVCLVGQSWLQAGVISWGEQCARQNRPGVYIRVTAHHNWIHRIIPKLQFQP
ARLGGQKSRHHHHHH

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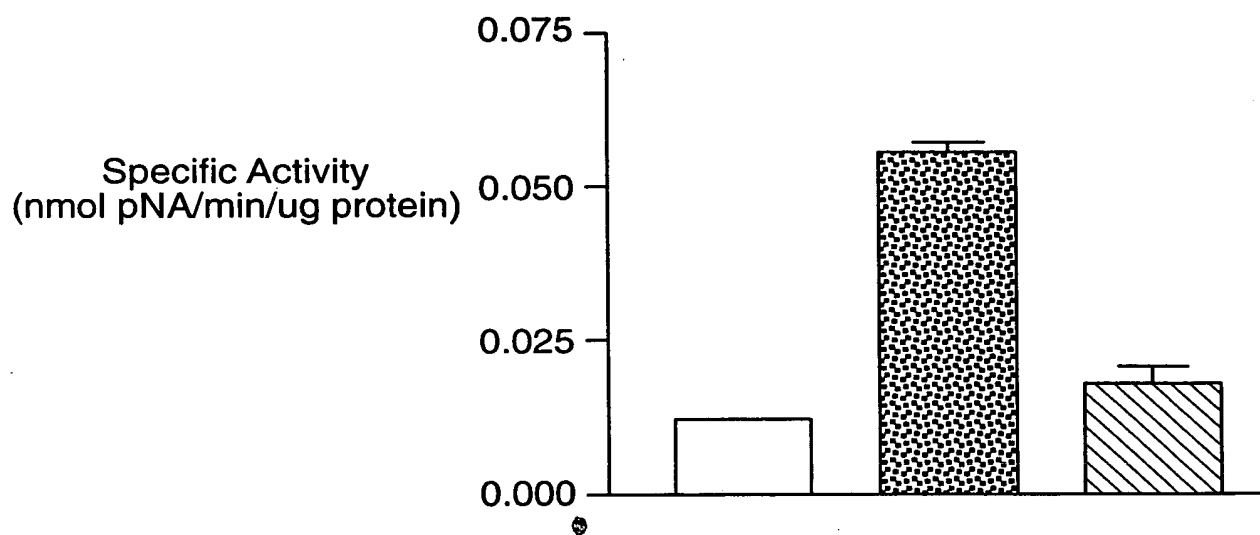
FIG. 5

Protease: PFEK-Protease T-HIS

20201010 "9004400"

FIG. 6**Protease Activity of Protease T**

- H-D-Pro-HHT-Arg-pNA
▤ H-D-Lys(CBO)-Pro-Arg-pNA
▨ H-DL-Val-Leu-Arg-pNA



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